

AMENDMENTS TO THE CLAIMS

Please cancel, without prejudice or disclaimer, claims 1-11, 15, and 19-20, and amend independent claim 12 as follows:

5 Claims 1-11. Canceled.

12. (Currently Amended) A method for implementing security management in a storage area network including at least one storage resource user, an data storage RAID controller, and a data storage array
10 coupled to the controller, the method comprising the steps of:
granting access to data storage areas on disks in the storage array to specific storage resource users of the at least one storage resource user;
storing, in a table of approved entities in non-volatile memory in the controller, indicia of data storage areas on disks in the storage array
15 accessible to any storage resource user that has been granted access to data storage areas on disks in the storage array;
storing, in a table of not-yet-approved entities in volatile memory in the controller, indicia of any of the at least one storage resource user that have not been granted access to data storage areas on disks in the storage
20 array;
requesting access to the areas by sending at least the identifying indicia from the storage resource user to the resource provider; and
examining the table of approved entities for the identifying indicia to determine whether any of the data storage areas are available to the
25 requesting storage resource user;

wherein, if the data storage areas are determined to be available to the storage resource user requesting access to the data storage areas, then allowing the storage resource user to access the data storage areas; otherwise, if no the data storage areas are determined to be available to the
5 requesting storage resource user, then storing the identifying indicia in the table of not-yet-approved entities[.];

uploading a list of available data storage areas from the controller to a management station;

uploading the table of not-yet-approved entities from the controller;
10 selecting the identifying indicia corresponding to a storage resource user, from the table of not-yet-approved entities;
selecting, from the list of available data storage areas, the data storage areas to be made available to the storage resource user;
sending association information to the controller, the association
15 information including a list of the data storage areas to be made available to the storage resource user and the identifying indicia corresponding to a storage resource user; and
allocating, to the storage resource user, the data storage areas included in the association information.

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13. (Original) The method of claim 12, wherein the indicia comprise the node World Wide Name and port World Wide Name for the storage resource user.

14. (Original) The method of claim 12, including the step of providing notification to the storage resource user that a resource is available on the storage area network.

5 15. Canceled.

16. (Original) The method of claim 12, wherein the data storage areas comprise logical units.

10 17. (Original) The method of claim 16, including storing the data storage areas to be made available to the storage resource user in a LUN access map in the table of approved entities.

15 18. (Original) The method of claim 17, wherein each command received from the storage resource user is checked by the controller against the LUN access map for authentication.

Claims 19-20. Canceled.